

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824610017-2

KORDZAKHIYA, M.O.; DZHAVAKHISHVILI, Sh.I.

Evaporation in Georgia. Trudy Inst. geog. AN Gruz. SSR 17:  
161-168 '62. (MIRA 16:7)

(Georgia—Evaporation)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824610017-2"

KORDZAKIYA, M.O.; KAVKASIDZE, R.P.

Landscape and climatic classification of the health resorts  
of the Georgian S.S.R. Sbor. trud. Gos.nauch.-issl. inst.  
kur. i fizioter. 26:127-134 '63. (MIRA 17:5)

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CIA-RDP86-00513R000824610017-2

KORDZAKHIYA, M.O.; KAVKASIDZE, R.P.; GONGLADZE, N.Sh.

Climate and microclimate of the Mendzhi health resort. Sbor.  
trud. Gos. nauch. issl. inst. kur. i fizioter. 26:123-126 '63.  
(MIRA 17:5)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824610017-2"

KORDZAKHIYA, M.O.; DZHAVAKHISHVILI, Sh.I.

Vertical temperature gradients on the southern slope of  
the Caucasus Range within the limits of Georgia. Trudy  
Inst. geog. AN Gruz. SSR 18:195-197 '64. (MIRA 17:6)

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CIA-RDP86-00513R000824610017-2

KORDZAKHIYA, M.O.; DZHAVAKHISHVILI, Sh.I.

Climate of Abkhazia. Trudy Inst. geog. AN Gruz. SSR 14:123-142  
'61. (MIRA 18:5)

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CIA-RDP86-00513R000824610017-2"

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CIA-RDP86-00513R000824610017-2

KAKABADZE, V.M.; KORDZAKHIYA, N.M.

Oxygen removal from gases by means of varicous manganese containing ores. Trudy CPI [Gruz.] no.5:73-83 '62.

(MIRA 17:10)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824610017-2"

CHAKHAVA, V.G., KERZHNIKOV, N.N.

Purification of a nitrogen-hydrogen mixture by removing carbon monoxide. Soob. AN Gruz. SSR 36 no.3:603-609 D 1964;

(MIRA 18:3)

i. Institut neorganicheskoy khimii i elektrokhimii AN GruzSSR i Gruzinskiy politekhnicheskiy institut im. V.I. Lenina. Submitted April 10, 1964.

KAKABADZE, V.M.; CHAGUNAVA, V.T.; KORDZAKHIYA, N.M.

Removing an admixture of oxygen from gases by using a complex oxide ore. Soob.AN Gruz.SSR 24 no.4:401-406 Ap '60.

(MIRA 13:7)

1. Gruzinskiy politekhnicheskiy institut im. V.I.Lenina. Predstavлено akademikom R.I.Agladze.

(Gases—Purification)

(Manganese oxide)

L 29908-56 EWT(1)/FCC GW	ACC NR: AT6006488	SOURCE CODE: UR/3061/65/000/018/0037/0057
AUTHOR: Kordzakhiya, R. S.	23	
ORG: none	B71	
TITLE: Climate of Svanetia		
SOURCE: Tiflis. Zakavkazskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy. no. 18(24), 1965. Voprosy gidrometeorologii (Problems in hydrometeorology), 37-57		
TOPIC TAGS: climate condition, climatology, atmospheric circulation, atmospheric precipitation		
ABSTRACT: Physico-geographic conditions, solar radiation, and meteorological conditions observed during the last 25 years at meteorological stations in Svanetia were investigated. The meteorological factors under discussion are atmospheric circulation processes, air temperature, atmospheric precipitation, snow cover, air humidity, wind, the coefficient of moistening, mists, thunderstorms, and hail. The data show that, Svanetia, inspite of its relatively small area, shows considerable meteorological variation from west to east, especially in air temperatures as a function of altitude. In accordance with the classification developed by V. P. Keppen and the meteorological observations analyzed by the author, Svanetia can be subdivided into the following cli-		
Card 1/2		

KORDZAKHIYA, T. P., KUNCHULIYA, V. G., PRUIDZE, T. V., TSULEYSKIRI, G. V., PICHKHAYA, T. P., ASATIANI, V. S., ANASANVILI, A. Ts., AGEYEVA, A. K., KEKELIDZE, O. V., KITIYA, T. D., (USSR).

The Effect of the Mountainous Climate on Biochemical Aspects of Human Blood.

report presented at the 5th Int'l.  
Biochemistry Congress, Moscow, 10-16 Aug. 1961.

KORDZAKHIYA, T. P., Cand Med Sci -- (diss) "Materials on the evaluation of the effectiveness of treatment of pulmonary tuberculosis." Tbilisi, 1960. 26 pp; (Tbilisi State Medical Inst); 200 copies; free; (KL, 28-60, 165)

KORDZINSKI, C.

Influence of detonation on the exploitation of internal-combustion engines. p. 73. Vol. 10, no. 3, Mar. 1955. MOTORYZACJA.  
Warszawa.

SOURCE: East European Accessions List (EEAL), LC, Vol. 15, no. 3, Mar. 1955.

KORDZINSKI, C.

Technological progress in servicing automobiles. P. 229  
MOTORYZACJA (Ministerstwo Transportu Drogowego i Lotniczego)  
Warszawa Vol. 10, no. 8, August 1955

SOURCE: EEAL LC Vol. 5, no. 7, July 1956

KORCZAKI, C.

New High-compression engines for passenger cars. p. 314

MOTORYZACJA (Ministerstwo Transportu Drogowego i Lotniczego)  
Vol. 10, No. 10, October 1955

Warszawa, Poland

So. East European Accessions List

Vol. 5, No. 1

Jan. 1956

S/262/62/001/001/006/010  
I014/I252

AUTHOR: Kordziński, Czesław

TITLE: Conversion of power and fuel consumption of internal combustion engines with atmospheric air intake to ordinary atmospheric conditions

PERIODICAL: Referativnyy zhurnal, Silovyye Ustanovki, no. 1, 1962, 74, abstract 42.1.390 ("Techa motoryz", 1961, no. 4, 127-132, no. 5, 160-162) (Polish)

TEXT: The derivation and analysis are given of the principal formulas used for the conversion to ordinary atmospheric conditions for forced or compressive ignition engines with atmospheric air intake.

[Abstracter's note: Complete translation.]

Card 1/1

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CIA-RDP86-00513R000824610017-2

KORDZINSKI, Czesław, docent dr. ing.

Combustion and formation process of fuel and air mixture in a two-cycle engine with injection and spark ignition.  
Constr mas 15 no.7481-486 J1'63.

1. Catedra de motare cu ardere interna, Scoala polithnica din Gracovia.

KORDZINSKI, Czeslaw, dr inz.

Problems of economical lubrication of two-stroke spark  
ignition engines. Techn motor 12 no. 6: 161-166 Je '62.

Inst. Politechnika, Krakow.

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CIA-RDP86-00513R000824610017-2

KORDZINSKI, W., mgr inz.

With reference to Prof. Wl. Gundlach's paper on "Research work on  
gas turbine engines." Techn. lotn 18 no.8:210-211 Ag '63.

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CIA-RDP86-00513R000824610017-2"

KORDZINSKI, Walerian, mgr inz.

Relations between various definitions of the efficiency of turbine engine components. Inst. lotn prace no. 20s10-19 '63.

KORDZINSKI, Walerian, mgr inz.

Basic properties of two-spool compressors for aircraft gas turbine engines. Techn lotn 18 no.10:269-277 0 '63.

KORDZINSKI, Walerian, mgr inz.

Approximate methods of computing the characteristics of axial  
compressors. Inst lotn prace no.19:29-40 '63.

CZECHOSLOVAKIA

KOREC, R.; Department of Experimental Pathology of Medical Faculty of  
University P.J. Safaryk (Ustav experimentalnej patologie Lekarskej fakulty  
Univerzity P.J. Safaryka,) Kosice.

"The Pathological Physiology Curriculum."

Prague, Ceskoslovenska Fysiologie, Vol 12, No 4, July 1963; pp 291-292.

Abstract: Principal criticisms: 1. patophysiology is taught only 60 lecture and 84 lab hours and pathology 80/112 whereas anatomy and histology still 160/240 and 80/96 respectively; basic sciences in general are neglected; 2. "bunching" of exams from many subjects all at once; 3. lack of coordination as between internal medicine, surgery and obstetrics; 4. reorganization of tests is necessary in Latin, Russian, political economics, nuclear medicine, physical medicine and public health; 5. shift pathophysiology to 7th semester at end of which place exam to precede that in pharmacology.

1/1

KORE, A.J.

ZAKHAROV, I.I.; KORE, A.J.

Surgery of intrathoracic goiter. Khirurgiia no.2:70-71 P '54.  
(MLRA 7:5)

1. Is Pyarnuskoy gorodskoy bol'nitsy Estonskoy SSR (glavnnyy vrach  
Metus). (Goiter)

KORDZINSKI, Walerian, mgr inz.

Problem of representing the results of tests carried out on  
an individual prototype turbine engine. Techn lotn 17  
no. 8:231-235 Ag '62.

SHADIKYAN, V.S.; KORE, I.D.; TSURKAN, I.G.; KOGAN, M.S.

Improved lubricant for roller bearings used in railroad rolling  
stock. Biul.tekh.-ekon.inform. no.11:70-71 '59.  
(MIRA 13:4)

(Lubrication and lubricants)

SHADIKYAN, V.S., kand.tekhn.nauk; KORE, I.D., kand.khim.nauk; KOGAN,  
M.S., inzh.; TSURKAN, I.G., inzh.

Resistance of lubricating greases to the rotation of railroad  
axle-box roller bearings. Vest.TSNII MPS 18 no.6:11-15  
S '59. (MIRA 13:2)

(Lubrication and lubricants)

SHADIKYAN, V.S., kand.tekhn.nauk; KORE, I.D., kand.khim.nauk; TSURKAN,  
I.G., inzh.; KOGAN, M.S., inzh.

Investigating lubricating greases for axle box roller bearings for rolling stock. Trudy TSMII MPS no.180:4-42 '59.  
(MIRA 13:4)

(Lubrication and lubricants)  
(Railroads--Rolling stock)

KORE, I.D.; Priniwali uchastye: SHADIKYAN, V.S.; TSURKAN, I.B.

Results of laboratory and operational testing of experimental  
lubricants on bearings of the rolling stock in railroad transportation.  
Proizv. smaz. mat. no. 6/8:126-132 '61. (MIRA 14:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo  
transporta Ministerstva putey soobshcheniya.  
(Lubrication and Lubricants--Testing) (Railroads--Rolling stock)

**PROCESSES AND PROPERTIES**

3-Methyl-2-hexyl-2-cyclopenten-1-one. L. V. Leynson and S. Kozin. *J. Applied Chem.* (U. S. S. R.) 12, 1457 (1) (in French, 1461) (1962).—The ketone was synthesized as follows: (1) Enanthal  $\rightarrow$  heptyl ale. (in the presence of pyrophoric Ni)  $\rightarrow$  heptyl bromide. (2) Starch  $\rightarrow$  levulinic acid  $\rightarrow$  Et levulinate. (3) Condensation of the heptyl bromide with the Et levulinate. (4) Cyclization of the resulting ester of the HO acid (or more correctly of the mixt. of the ester of the HO acid with the ester of the unsatd. methylundecylic acid and the corresponding lactone). Heptyl ale was prep'd. by placing in a round bottomed flask 100 g. of 92% enanthal, 300 ml. of 90% ROH and 100 g. pyrophoric Ni. The hydrogenation was carried out at 65° and the yield was 58%.  $\gamma$ -Methylundecalactone,  $\text{Me}(\text{CH}_2)_5\text{CMe}.\text{CH}_2\text{CH}_2\text{CO}_2$ , was prep'd. by adding  $\text{C}_2\text{H}_5\text{MgBr}$  to 50 g. of Et levulinate in 2 vols. of abs. ether gradually and with cooling. The resulting upper ether layer was vacuum-distd. (3 mm.) after standing overnight. A small Wurtz flask was charged with 30 g. of the lactone and 15 g. of  $\text{H}_2\text{PtCl}_6$  (0.17). Heating was carried out at 120 mm. and the temp. of the vapors was 150–160°. The product after 2 vacuum distns. b.p. 119–21°,  $n_D^{20}$  1.4702,  $d_4^{20}$  0.9006, carbonyl, m. 164–5°, 19 references. A. A. B.

430-364 METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824610017-2"

KORE, S. I.

KORE, S. I. - "Derivation of Polyisopropylbenzenes and Homologous Alkylbenzyl Alcohols." Sub 26 Jun 52, All-Union Sci Res Inst of Synthetic and Natural Essential Oils. (Dissertation for the Degree of Candidate in Chemical Sciences).

SO: Vechernaya Moskva January-December 1952

Chemical Abst.  
Vol. 48  
Apr. 10, 1954  
Organic Chemistry

Some 9-substituted Derivatives of acridine. C. I. Bras and S. A. Kor (S. Ordzhonikidze All-Union Chem.-Pharm. Inst., Moscow). Zhur. Obshch. Khim. 23, 808-74 (1953).  
 To 6.1 g. EtOH, 18 ml. concd. NH<sub>4</sub>OH, and 3 ml. 10% AgNO<sub>3</sub>, was added over 3 hrs. at 70-5° 3 g. powd. 9-diazoacetylacridine, yielding on cooling 80% 9-acridineacelamide (I), decomp. 250-1° (from EtOH), which can be purified by reprecip. from cold acids with alkalies. Required 1.5 hrs. with 20% HCl. It gave 80% 9-methylacridine, m. 118-10° (from dil. EtOH); if the hydrolysis is run with 25% KOH in MeOH 10 hrs. at reflux, only 22% 9-methylacridine is formed, the rest of the product being 9-acridanone, m. 352-4°. The amide (1 g.) in 12 ml. 96% AcOH and 1.8 ml. 91% H<sub>2</sub>SO<sub>4</sub>, heated to 70°, treated dropwise with 2 ml. 20% NaNO<sub>2</sub>, warmed 5 min., and quenched in H<sub>2</sub>O gave after addn. of dil. KOH an unstated yield of 9-methylacridine. (I) (0.85 g.) in 12 ml. 96% AcOH and 1.8 ml. 91% H<sub>2</sub>SO<sub>4</sub>, treated at room temp. with 2.4 g. powd. NaNO<sub>2</sub>, warmed 2 hrs., to 75-80° and quenched in 100 ml. H<sub>2</sub>O gave an amorphous ppt., which was taken up in Na<sub>2</sub>CO<sub>3</sub>, filtered, and acidified with dil. HCl, yielding 0.45 g. 9-acridinecarboxylic acid, decomp. 279-81° (crude), decomp. 283-4° (from AcOH). With SOCl in C<sub>6</sub>H<sub>6</sub>, it yields the acyl chloride-HCl decomp. 214-15°, which with NH<sub>4</sub>OH gave the amide, decomp. 262-4° (from EtOH). 9-(Diazooacetyl)-acridine (1 g.), slowly added to 8 ml. boiling AcOH contg. a little Cu(OAc)<sub>2</sub>, and boiled briefly; after all N evolution stopped, gave 0.65 g. 9-acridinyl acetoxymethyl ketone, m. 183-4° (from EtOH). 9-Acridinyl bromomethyl ketone (3 g.) in dry C<sub>6</sub>H<sub>6</sub> and 3.8 ml. piperidine kept in the dark 6 hrs., yielded a ppt., which, extd. with H<sub>2</sub>O, left 0.1 g. acridanone (the water-sol. portion being piperidine-HCl). The org. layer evapd. and treated with MeOH gave 0.85 g. greenish solid, m. 127-30° (decomp.), which yields 9-acridanone with MeOH or C<sub>6</sub>H<sub>6</sub>. The crude product appeared to be essentially 9-acridinyl piperidinomethyl ketone. The MeOH soln. yielded 9-acridinyl Me ketone, isolated as the chloroplatinate, decomp. 244-5°, and picrate, decomp. 245-6°; free ketone, m. 101-3° (from petr. ether). Similar reaction with Bi<sub>2</sub>NH gave an unknown substance, m. 192-5° (decomp.), some 9-acridanone, and 9-acridinyl Me ketone, isolated as the picrate.

G. M. Kosolapoff

Orientation of the *tert*-butyl group upon its introduction into an aromatic compound.

Below, and S. A. Korn, *Zhur. Obshch. Khim.*, **23**, 1802-8 (1943); cf. Smith and Perry, *C.A.*, **33**, 6257. The conception about the predominant influence of the nature of the catalyst employed in alkylations of substituted benzenes into *Cis*- or *trans*-xylene, thus tend to form sym. structures in all instances. Treatment of *m*-xylene with iso-BuOH in the presence of  $H_2SO_4$  gave 40% 2,5-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>Cl<sub>2</sub>, b.p. 204-5°, n<sub>D</sub><sup>20</sup> 1.4052, d<sub>4</sub> 0.8456; *irregular acet.*, m. 111-127°, benzyl chloride from this, m. 98-100°. No other isomer was found in the alkylation mixt. The hydrocarbon suffered no change on being heated with AlCl<sub>3</sub> 3.5 hr at 105°. Chloromethylation with formalin and conc. HCl in the presence of  $H_2SO_4$  at 50° gave 30.3% 2,6,4-tris(McOCH<sub>2</sub>CH<sub>2</sub>Cl)C<sub>6</sub>H<sub>3</sub>, b.p. 118-20°, n<sub>D</sub><sup>20</sup> 1.4300, d<sub>4</sub> 1.0084, along with [2,6,6-Alc<sub>3</sub>Cl<sub>2</sub>CH<sub>2</sub>Cl]C<sub>6</sub>H<sub>3</sub>, m. 139-5°. The above products formed from the starting material prepd. by the  $H_2SO_4$  method; if the AlCl<sub>3</sub>-triaxyl hydrocarbon was used, the yield of the chloromethyl deriv. rose to 43.6%, b.p. 130-7°, n<sub>D</sub><sup>20</sup> 1.5210. Heating the chloromethyl deriv. with NaOAc in the presence of Pyridine 3 hrs. to 125° and 4 hrs. at 125°, followed by 0.5 hr. after addn. of H<sub>2</sub>O at 80°, gave 37% corresponding acetate, b.p. 127-3°, n<sub>D</sub><sup>20</sup> 1.5659. In 0.0855; the acetone prepd. from AlCl<sub>3</sub>-treated hydrocarbon was obtained similarly, b.p. 151-2°, n<sub>D</sub><sup>20</sup> 1.5054. Separation of C<sub>6</sub>H<sub>6</sub> (550 g.) with 250 g. iso-Butyl by addn. over 1 hr. of 1400 g.  $H_2SO_4$  at 60° followed by 0.5 hr. at 70° gave 150 g. liquid material and 115 g. solid, isolated by steam distn. Distn. gave 121 g. *p*-MeC<sub>6</sub>H<sub>4</sub>, b.p. 100-8°, n<sub>D</sub><sup>20</sup> 1.5411, d<sub>4</sub> 0.8420, along with some 30 g. *p*-C<sub>6</sub>H<sub>5</sub>(CMc<sub>2</sub>H<sub>5</sub>)<sub>2</sub>, b.p. 77-8°. Reaction of 20 g. C<sub>6</sub>H<sub>6</sub>, 10 g. iso-Butyl and 1 g. AlCl<sub>3</sub> gave some 8 g. *p*-MeC<sub>6</sub>H<sub>5</sub> and an unestimated yield of *p*-C<sub>6</sub>H<sub>5</sub>(CMc<sub>2</sub>H<sub>5</sub>)<sub>2</sub>, m. 77-8°. Heating the latter with AlCl<sub>3</sub> up to 6 hrs. at 100°, with or without passage of dry HCl, gave much tar along with a small amount of liquid material which boiled over a wide range; this could not be identified as a typical fraction, b.p. 40°, m. 133-4°, d<sub>4</sub> 0.9048, was not homogeneous, on standing it deposited *p*-C<sub>6</sub>H<sub>5</sub>(CMc<sub>2</sub>H<sub>5</sub>)<sub>2</sub>, m. 76-7°.

G. M. Kosolapoff

*All-Union Sci.-Res. Inst. Synthetic + Natural  
Extracted Oil*

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CIA-RDP86-00513R000824610017-2

RODIONOV, V.M.; SHLOV, V.N.; KORE, S.A.

Orientation of a tert-butyl group on introduction into an  
aromatic nucleus. Trudy VNIISNDV no.2:15-17 '54. (MLRA 10:7)  
(Butyl group) (Aromatic compounds)

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CIA-RDP86-00513R000824610017-2"

Kore, S.A.

USSR/Organic Chemistry, Synthetic Organic Chemistry.

E-2

Abs Jour: Ref Zhur-Khimiya No 6, 1957, 19108

Author : Kore S.A., Rodionov V.M., Belov V.N.,  
Inst :

Title : The Dependence Between the Structure of Organic  
Compound and its Scent. Publication 5. Dimethylole  
Derivative of Diisopropylbenzene and its Acetate.

Orig Pub: Tr. Vses. N.-I. In-ta Sintet. and Natur. Dushistykh  
Veshchestv, 1954, vyp. 2, 21-22.

Abstract: At the chloromethylation of  $(\text{iso-C}_3\text{H}_7)_2\text{C}_6\text{H}_4$  (I) with  
formaline and HCl (acid) in the presence of  $\text{H}_2\text{SO}_4$   
 $\text{ClCH}_2\text{-I}$  and a small amount of  $(\text{ClCH}_2)_2\text{-I}$  (Ia), m.p.  
131.5° (from alcohol) is formed. Yield Ia is in-  
creased with the increased amount of  $\text{H}_2\text{SO}_4$ . Ia at the  
action of  $\text{CH}_3\text{COONa}$  in the presence of a small amount

Card : 1/2

KORE, S.A.; KUSTOVA, S.D.; BELOV, V.N.

Intermediate products of the synthesis of odorous substances.  
Report No.9: Converting primary chlorides to corresponding  
aldehydes by the Kröhnke method. Trudy VNIISNDV no.4:39-41  
'58. (MIRA 12:5)  
(Aldehydes) (Perfumes, Synthetic)

KORE, S.A.; BELOV, V.N.

Relation between the structure of organic compounds and their  
odor. Report no.6: Production of 2,4,5-triisopropylbenzaldehyde.  
Trudy VNIISHDV no.4:41-44 '58. (MIRA 12:5)  
(Perfumes, Synthetic) (Benzaldehyde)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824610017-2

KORE, S.A.

Production of diacyl peroxides. Trudy VNIISNDV no. 4:200-201  
'58. (MIRA 12:5)  
(Peroxides)

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CIA-RDP86-00513R000824610017-2"

KORE, S.A., kand.khim.nauk; RUDOL'FI, T.A., kand.khim.nauk; BYTYGACH,  
B.Ya.

New constituents of compositions having a jasmine odor,  
Mazl.-zhir.prom. 25 no.11:27-29 '59. (MIRA 13:3)

1. Vsesoyusnyy muchno-issledovatel'skiy institut sinteticheskikh i natural'nykh dushistykh veshchestv.  
(Odorous substances)

RUDOL'FI, T.A.; KORE, S.A.; REYNGACH, B.Ya.

Paper chromatography of certain organic acids. Trudy VNIISNDV  
no.5:74-77 '61. (MIRA 14:10)

(Paper chromatography)  
(Organic compounds)

KORE, S.A., kand.khimicheskikh nauk; SHEPELENKOVA, Ye.I.; CHERNOVA, Ye.M.,  
19zh.

Acetals and their identification in a thin layer by the  
chromatographic method. Masl.-zhir.prom. 28 no.3:32-33 Mr '62.  
(MIRA 15:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh i  
natural'nykh dushistykh veshchestv.

(Acetal) (Chromatographic analysis)

KORE, S.A.; REYNGACH, B.Ya.

Paper chromatography of some phenols. Trudy VNIIISNDV no.6:120-121  
'63.  
(MIRA 17:4)

KOREC, A.

Fully attacking the problem of planning in factories. p. 241. (PRZEMYSŁ ROLNY I  
SPOŁECZNY, Vol. 8, No. 7, July 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec.  
1954, Uncl.

KOREC. A.

Technicians must join the fight for reduction of production cost. p. 244.  
(PRZEMYSŁ ROLNY I SPOŻYWCZY, Vol. 8, No. 7, July 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec.  
1954, Uncl.

Korec J.

6

Condensation method for determining petroleum hydrocarbons in the air. V. Podolsky, J. Janok, and J. Korec. *Oblastní Ústav Hyg. Práce, Bratislava, Czech. J. Právni Lékařství 6, 121-3(1986).*—Method and app. are described for detg. the total sum of gaseous hydrocarbons after removing water with  $\text{CaCl}_2$  by weighing their condensate in glass containers cooled by solid  $\text{CO}_2$  in  $\text{MeOH}$ . The mean error is 4.8% at a speed of suction of 1 l./3 min. and 0.5% at a rate of 1 l./10 min. L. J. Urbánek

PM

PPH

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CIA-RDP86-00513R000824610017-2

KOREC, Ladislav

Low frequency analysis. Sdel tech 12 no.4:128 Ap '64.

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CIA-RDP86-00513R000824610017-2"

KREJC, R.

Theoreticka baza patogenezy, symptomov a terapie diabetes mellitus.  
[Theoretic basis for pathogenesis, symptoms and therapy of diabetes  
mellitus] Bratislav. lek. listy 30:4-5 Apr-May 50 p. 325-31

1. Of the Institute of General and Experimental Pathology of the Branch  
of the Medical Faculty of Slovak University in Kosice.

KOREC, RUDOLF

"Metabolizmus. Bratislava, Vydavatelstvo Slovenskej akademie vied, 1955. 230 p.  
(Metabolism bibl., diagrs., graphs, index tables)"

P. 230 (Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 7, July 1958

CZECHOSLOVAKI/Human and Animal Physiology - Internal Secretion. T  
The Pancreas.

Abs Jour : Ref Zhur Biol., No 3, 1959, 13009

Author : Korec, R;

Inst : ~~Bratislavské lekárske listy~~

Title : Influence of Cystine and Indole-3-Acetic Acid on  
Insulin-Induced Hypoglycemia under Experimental  
Conditions.

Orig Pub : Bratislav. lekar. listy, 1957, 2, No 10-11, 613-617

Abstract : The experiment was conducted on 34 healthy rabbits  
weighing 1.5 - 4.5 kg and 37 rats; alloxanic diabetes  
was induced in 21 of the latter. After determination of  
glycemia (G) by fasting blood sugars 5 ml of a 5% solution  
of NaHCO<sub>3</sub> was injected into the rabbits and 5 mi-  
nutes later 1 unit of insulin (I); G was determined  
after 30 - 180 minutes. On the 2nd day these same rab-  
bits were injected intravenously with 0.25 and 0.5 of

Card 1/2

CZECHOSLOVAKIA/Human and Animal Physiology - Internal Secretion. T  
The Pancreas.

Abs Jour : Ref Zhur Biol., No 3, 1959, 13009

either 1 millimol/kg of cystine (II) or indole-3-acetic acid (III) and 5 minutes later with 1 unit of I. II and III alleviated the effect of I somewhat, but injection of a dosage of 0.5 mmol/kg without I induced in the rabbits and rats with a severe form of diabetes an insignificant decrease of G, but in normal rats with a mild form of diabetes there was quite a lessening of G. --  
V.V. Yazvikov

Card 2/2

- 72 -

KOREC, R.; HERKELOVA, L.

The mechanism of hypoglycemic action of indole-3-acetic acid and of  
sulfanilyl carbamide (invenol). Cesk. fysiol. 7 no.3:266-267 May 58.

1. Ustav pre vseob. a exper. patologiu Lekarskej fakulty University  
Komenskeho v Kosiciach.

(ANTIDIABETICS, eff.

carbutamide, with indole-3-acetic acid (Cx).

(INDOLACETIC ACID, eff.

hypoglycemic, with carbutamide (Cx))

(BLOOD SUGAR, eff. of drugs on,  
indolacetic acid alone & with carbutamide (Cx))

KOREC, R.; HENKLOVA, L.

Lesions of alpha-cells of the islands of langerhans and hypoglycemic effect  
of indole-3-acetic acid and sulfanilylbutylcarbamide. Cesk. fysiol. 7 no.5:  
492-493 Sept 58.

1. Ustav pre všeobecnú a experimentálnu patologiu Lek. fak. UK, Košice.  
(IDOLACETIC ACID, effects,  
islands of Langerhans alpha-cell destruction & hypoglycemic  
eff. in animals (Cs))  
(CARBUTAMIDE, effects,  
same)  
(ISLANDS OF LANGERHANS, eff. of drugs on,  
carbutamide & indolacetic acid, destruction of alpha-cells in  
animals (Cs))

KORNIC, R.

A method of temporary ligation. Česk. fysiol. 8 no.3:211-212 Apr 59.

1. Ustav pre všeobecnú a experimentálnu patologiu Lekárskej fakulty  
UK v Košiciach. Prednesene na III. fyziologických dňoch v Brne dna 14.  
1. 1959.

(BLOOD VESSELS, physiol.  
temporary ligation in exper. animals (Cx))

KOREC, R.

Effect of insulin on glycemia studies by means of a temporary and permanent method of ligation of the v. portae and v. hepaticum in rats. Cesk. fysiol. 9 no.1:28 Ja 60.

1. Ustav pre všeobecnú a experimentálnu patologiu Lek. fak. MU,  
Košice.

(INSULIN pharmacol.)  
(PORTAL VEINS physiol.)  
(HEPATIC VEIN physiol.)

KOREC, R.; Technicka spolupraca LEHOCKA, I.

Subtotal pancreatectomy in rats. Cas. lek. cesk. 101 no.24/25:757-759  
22 Je '62.

1. Ustav pre všeobecnú a experimentálnu patologiu lekárskej fakulty  
Univerzity P. J. Safarika v Košiciach, prednosta doc. dr. R. Korec.

(PANCREAS surgery)

KOREC, R.; SOFRAKOVA, A.

Free and bound glucose in the urine. Cas. lek. cesk. 102 no.8:  
219-220 22 F '63.

1. Ustav pre všeobecnú a experimentálnu patologiu Lekárskej fakulty  
UPJS v Košiciach, prednosta doc. dr. R. Korec.  
(GLYCOSURIA) (CHEMISTRY, ANALYTICAL) (OXIDASES)  
(DIABETES MELLITUS) (URINE)

KOREC, R.; technicka spolupraca LEHOCKA, I.

Estimation of glucose by the glucose oxidase method. Cas. lek. česk. 102 no. 6: 152-155 8 F '63.

1. Ustav pre všeobecnú a experimentálnu patologiu lekárskej fakulty  
UPJS v Košiciach, prednosta doc. dr. R. Korec.  
(BLOOD SUGAR) (OXIDASES) (BLOOD CHEMICAL ANALYSIS)  
(GLUCOSE)

171

Korec, S.

CZECHOSLOVAKIA/Safety Engineering. Sanitation Engineering. L  
Sanitation.

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10701

Author : Podolsky, V. and Korec, S.

Inst : Not given

Title : Concerning Sanitary Precautions During the Handling of  
Gasoline

Orig Pub: Bezpecn. a hyg. prace, 1956, Vol 7, No 7, 209-211  
(in Slovak)

Abstract: Hydrocarbon vapor concentrations of 200 and 226.3  
mg/liter have been measured during the cleaning of  
containers and storage tanks used for the storage of  
gasoline (G) and other petroleum products (the maxi-  
mum permissible G concentration according to American  
standards is 2-4 mg/liter and according to Soviet  
standards of 0.3 mg/liter). The vapor concentration  
decreases rapidly during ventilation. A new method is  
proposed for the determination of the concentration of

Card 1/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824610017  
CZECHOSLOVAKIA/Safety Engineering. Sanitation Engineering. L  
Sanitation.

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10701

Abstract: G vapors in the air; the method is based on the conden-  
sation of the vapors at low temperatures; the air is  
drawn through a glass coil at the lower end of which is  
attached a receiver for the liquid G. During sampling  
the condenser is immersed in a vacuum insulated methyl  
alcohol bath which is maintained at a temperature of  
-70 to -74° by CO<sub>2</sub> gas. The water vapors are adsorbed  
by granulated CaCl<sub>2</sub>. The condensed G is weighed. The  
above-described method is more convenient, simpler and  
quicker than the potentiometric method.

Card 2/2

KOREC, S.

- Zemeljev, Bratislavskie Izdat. Vol. 1, No 5, 1962  
Zemeljev, copyright by the Publishing Board of the Slovak Academy  
of Sciences (Vydavatelstvo Svetovneho vedeckeho vydavstva), 1962.
1. "On the Vasoconstrictor in Atrial Fibrillation Induced by Deep Breathing, and the Possibilities of its Practical Application," I. KUTRANOVIC, Institute of Experimental Medicine of the Slovak Academy of Sciences (Ustav experimentálného medicíny Slovenskej akadémie vied); director (president) of the Institute: J. MALLIN, Dr. of Sciences and corresponding member of the Slovak Academy of Sciences, pp 457-462 (Slovak summary).
  2. "On the Dynamic Changes of Transmucosal Activity in Toxic Injury to the Liver," M. PETRAK, J. VAVROVY and J. LUDVÍK, from the No 1 Clinic of Internal Medicine (1. Intern. klinika) Et the Medical Faculty of Comenius University (Univerzita Komenského v Bratislavě) as members (members) correspondisng member or the Department (or) and from the Institute of Physiological Anatomy (Fiziológický ústav) at the Medical Faculty of Comenius University in Bratislava, headed by docent M. HEDVAG, MD. pp 463-475 (English summary).
  3. "The Role of Psychotic Factors in the After-Treatment of Pancrectomy," K. VERNIK and J. EKLUND, of the Clinic of Orthopedics (Orthopedická klinika) at the Medical Faculty of Comenius University in Bratislava, headed by J. CERNÝ, MD., correspondisng member of the Slovak Academy of Sciences, pp 476-481 (English summary).
  4. "On the Importance of the Psychological Component in Physician's and Surgeon's Diseases," V. LINDNER, of the Department of Clinical Physiology (Klinická fyziologie) at the Institute of Experimental Medicine of the Slovak Academy of Sciences, director J. KUTRANOVIC, Dr. of Sciences and corresponding member of the Slovak Academy of Sciences, pp 481-491 (English summary).
  5. "Tissue Results of the Surgical Treatment of Pulmonary Tuberculosis by Thoracoplasty," N. VÄLIC, J. LADIS and G. RÖSS, from the Central Thoracic Surgery Institute (Centrálna klinika pre torakalickú chorobu) - Department of Pathophysiology (Patiologická fiziológia) of the SBU (Slovenského akademie vied) (Slovakian Academy of Sciences), director for Pathophysiology: Prof. Leopold RÖSS, Univerzita S. VAVRICKA, Dr. of Sciences and from the Institute of Psychology in Bratislava, Director T. VAVRICKA, Dr. of Sciences and corresponding member of the Psychological Institute in Bratislava, headed by docent S. KOREC, pp 491-499 (English summary).
  6. "The Adrenomedullin Synapse," Docent Z. MULÍK, MD, chief (predsedajúci) and T. VAVRICKA, of the Gynaecology Clinic (Gynækologická klinika) of the Medical Faculty of Comenius University, pp 500-505 (English summary).

— 1/2 —



KORECEK

All technicians should be informed on new techniques. Prum  
potravin 13 no.5:275 My '62.

R. A. G. Smith, S.C., India.

50-meter steel cable (silver braid, Rant. Coats, etc., v.  
stain, 23 ac.7331-22.31 '5). (SIC '4.7)

(Cape Girardeau, Missouri--Television--Transmitter and Transmitter)

(1)

CZECHOSLOVAKIA/CANADA

KORECKY, B., BEZNAK, M., KORECKA, M.; Institute of Pathological Physiology, Pediatric Clinic (Ustav Patologicke Fysiologie Fak. Detsk. Lek.), Prague; Department of Physiology, University of Ottawa.

"Changes in the Maximum Performance of the Lung-Heart Preparation in Rats after Hypophysectomy and its Preparation by Administration of Some Substituting Hormones." 1/1

Prague, Ceskoslovenska Fisiologie, Vol 15, No 2, Feb 66, pp 116-117

Abstract: In animals hypophysectomy reduces minute volume, heart beat and blood pressure. Administration of thyroxin improves most of the factors, while a combination of thyroxin and growth hormone nearly normalizes the conditions. The influence on an isolated heart was very similar, but there was no cumulative effect of the growth hormone and thyroxin. 1 Western reference. Submitted at "16 Days of Physiology" at Kosice, 29 Sep 65.

1/1

KORECKI, K.

"Iron as a Harmful Addition in Aluminum Alloys." Biuletyn. p.17  
(PRZEGLAD ODLEWNICTWA Vol. 3, no. 9, Sept. 1953 Krakow, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

Korecki, K.

3763

321.74.643 : 699.715.018 : 2

Korecki K. Influence of Chemical Composition and of Casting and MG  
Pouring Conditions of the AlA Alloy on Mechanical Properties and Micro-  
structure of Sand Castings.

"Wpływ składu chemicznego i warunków topienia oraz odlewania  
stopu AlA na właściwości mechaniczne i mikrostrukturę odlewów piasko-  
wych". (Prace Inst. Odlewów, No. 1), Warszawa, 1954, PWT, 15 pp.,  
31 figs., 9 tabs.

Casting and pouring technology employed in relation to the AlA  
aluminium alloy create, together with its chemical composition, con-  
ditions which encourage a number of structural defects, determining  
the mechanical properties of castings. Data gathered during the inves-  
tigations carried out in industry and concerning the inadequate tensile  
strength (R<sub>r</sub>) and elongation (a<sub>5</sub>) of castings made in autoclave,  
made possible more exact enquiries into the nature of this alloy and  
the definition of the principal agents causing the particular defects.  
Discussion is entered concerning the effect on mechanical properties  
of magnesium, iron and manganese content, of the structure of eutectic  
alumin pigs, and of the shape and type of castings. The conditions for  
forming Fe-Mn-Al-Si crystal segregation, silicon crystals segregation,  
Mg<sub>2</sub>Si segregation and the triple eutectic network of Al-Si-Mg<sub>2</sub>Si are  
given together with directions concerning casting and pouring techno-  
logy and practical preventive measures.

Df [signature]

Korecki, Kazimierz

POL.

Influence of iron and zinc on the technological properties  
of pressure die castings made of aluminum alloys. Kazimierz  
Korecki and Tadeusz Wellems. Przegląd Odlewnictwa  
4, 251-252 (1954).—Contrary to a general opinion that presence  
of Fe and Zn impurities in Al alloy is detrimental it was  
found that in certain cases their presence is useful. Al  
alloy, grade LA 2A (Polish designation) contg. Si 8-10,  
Cu 0-0.8, Mg 0.2-0.4, Mn 0.3-0.5, Zn 0-0.3, and Fe  
0-0.6% after its Zn and Fe content was increased to 0.5-  
1.0 and 0.6-1.0, resp., was best suited for die castings.  
Better machining properties, tendency not to develop cracks,  
and better external aspects characterize the latter alloy.

Frank J. Hendel

(1)

KORECKI, K.

KORECKI, K.; LECH, Z. "Casting aluminum alloys from scrap. Biuletyn."  
Przeglad Odlewnictwa, Krakow, Vol 4, No 5, May 1954, p. 9

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

KORECKI, K.

Some research work and investigations on light alloys made by the Foundry Research Institute during the ten-year period of its existence. p. 32.  
(INZYNIERIA I BUDOWNICTWO, Vol. 6, No. 1/2, 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

KIREK/N/15  
POLISH TECHNICAL ABSTRACTS

Vol. 26, Nr. 2, 1957

5

14-2c

*18-18*  
Lach Z., Koracki K. Casting Scrap Magnesium Alloys

*18-18*  
"Odrodzenie stopów magnesu z złomu", Przegląd Odlewniictwa, No. V,  
1954 (Bull. Inf. Inst. Odlewn.) pp. 14-16, 4 tabs.

The problem of utilizing scrap magnesium alloys in the manufacture of castings for non-military purposes. The object of this investigation was to find methods for the treatment of existing reserves of scrap for producing the alloys in pigs, and, in relation to such reserves, to define production possibilities as affecting both quality and quantity. The investigation was based on the Soviet standard specification GOST 2886-40. The best results were achieved with the M14 alloy which can be obtained, when the composition of the charge is chosen correctly, by once melting scrap No. 3505, and by twice melting unmarked scrap and such as is marked with numbers 3504, 3506, 3510 and 3520. To prepare scrap for melting, it must be cleaned of non-metallic impurities (sand) and all metallic parts (reinforcements, screws, etc.) must be removed.

*up* RG

KORECKI

KAZIMIERZ

✓ 1035\* (Polish) Exothermic mixtures for the... Mała eks-  
plozjona do narzędziw. Kazimierz Korecki - Enders, Wel-  
ken. Przeglad Inżynierski, v. 6, no. 9, Sept. 1960, p. 292-300.  
Exothermic mixtures for non-ferrous metals, nodular cast iron,  
and cast steel are obtained by an aluminum-thorium reaction.

2  
Metal

KOPECKI, K.; WELKENE, T.

Exothermic masses for feeders. (To be contd.). p. 178.

PRZEGLAD ODLEWNICTWA. Krakow, Poland. Vol. 9no. 6, June, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 9, September, 1959.  
Uncl.

KORECKI, K. : WEKLENS, T.

Exothermic Materials for Feeders, p. 218.

PRZEGLAD ODLEWNICTWA (Stowarzyszenie Techniczne Odlewikow Polskich)  
Krakow, Poland  
Vol. 9, no. 7, July 1959.

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11,  
November 1959.  
Uncl.

LECH, Zbigniew; KORECKI, Kazimierz

Selection of the method of die casting of aluminum alloys tensile  
test bars. Prace inst odlew 10 no.2:98-114 '60.

1. Zaklad Metalu Nierdzewnych, Krakow,

WELKENS, Tadeusz, mgr inż.; KORECKI, Kazimierz, doc. mgr inż.; TARAN,  
Jerzy, mgr inż.

Economizing in iron casting by using the method of exothermic  
risers. Przegl odlew 12 no.1:14-20. Ja '62,

KORECKY, B.

Changes of pulmonary elasticity in ontogenesis in rats. Cesk. fysiol.  
7 no.3:214-215 May 58.

1. Odd. patologicke fysiologie fak. detskeho lek., Praha.  
(LUNGS, physiol.  
elasticity, age factor in young rats (Cz))  
(AGING, eff.  
on lung elasticity in young rats (Cz))

POUPA, O.; KORECKY, B.

Enteral oxygen insufflation in anoxia in young animals. Česk. fysiol.  
č. no.3:237-238 Apr 59.

I. Laborator fysiologie a patofysiologie premeny latek CSAV a Oddeleni  
patologicke fysiologie detskeho lekarstvi, Praha. Predneseno na III.  
fysiologickych dnech v Brne dne 15. 1. 1959.

(ASPHYXIA NEONATORUM, exper.

enteral oxygen insufflation (Cz))

(OXYGEN, eff.

enteral insufflation in exper. asphyxia neonatorum (Cz))

KORECKY, B.;POUPA, O.

Variations in metabolic findings following enteral insufflation  
of oxygen in younger or older than 14 days. Cesk. fysiol. 8 no.3:  
416-417 S '59

1. Oddeleni patologické fysiologie Fak. detek. lek. MU, Laborator  
fysiologie a patofysiologie premeny latek CSAV, Praha.  
(ANOXIA)  
(OKYGEN eff.)

KORECKY, B.; MACEK, M. za technicke spoluprace A. Machanova

On disorders of intra-alveolar gas mixing in children. Cesk. pediat.  
14 no.11; 1002-1005 November 59.

1. Oddeleni patologické fyziologie fakulty detskeho lekarstvi,  
prednosta doc. MUDr. V. Zelenka I. detska klinika, prednosta prof.  
MUDr. J. Svejcar.  
(RESPIRATION)

KORECKY, B.; MACEK, M.

A simple method for the determination of intra-alveolar gas mixing  
in children. Cesk. pediat. 14 no.11:996-1001 November 59.

1. Oddeleni patologicke fysiologie fak. detskeho lekarstvi, prednosta  
doc. MUDr. V. Zelenka I. detska klinika, prednosta prof. MUDr. J.  
Svejcar.

(RESPIRATION, funct. & tests)

KORECKY, B.; POUPE, O.

Use of intestinal oxygen insufflation as a resuscitation method  
in a phase of clinical death consecutive to severe hypoxia in  
young rats. *Cesk.fysiol.* 9 no.3:243 My '60.

1. Ustav patologické fysiologie fak. dětsk. lek. MU, Laborator  
fysiologie a patofysiologie premený lataek CSAV, Praha  
(ANOXIA exper)  
(RESUSCITATION)  
(OXYGEN)

Korecky, B.; VAVRA, J.; MIDILIL, V.

Simplified construction for body plethysmograph for newborn and  
small infants. Cesk.fysiolog. 9 no.6:559-561 N '60.

1. Oddeleni patofysiologie fak.detsk.lek. KU, Laborator fysiologie  
a patofysiologie premeny latek CSAV, I. detska klinika lek.fak.  
KU, Praha.

(PLETHYSMOGRAPHY equip & supply)

MACEK, Milos; KORECKY, Bohuslav<sup>?</sup>; za spoluprace: NOVAKOVE, Marie; KULIKOVE, Evy

Ventilation test in asthmatic children. Cesk.pediat.15 no.6/7:604-609  
J1'60.

1. I. detska klinika MU v Praze, prednosta prof. MUDr. Josef Svejcar  
Katedra farmakologie a experimentalni patologie, prednosta prof.  
MUDr. Helena Raskova.

(ASTHMA in inf & child)  
(RESPIRATION physiol)

\* Probably Boeivoj

MYDLIL, V.; VAVRA, J.; KORECKY, B.

Investigation of the respiratory rate of the tidal and minute volume  
by the mask method and by a body plethysmograph in newborn infants.  
Acta univ. carol.[Med] no.2:195-202 '61.

1. I detska klinika fakulty detskeho lekarstvi University Karlovy,  
prednosta prof. MUDr. J. Svejcar Oddeleni patologicka fysiologie  
fakulty detskeho lekarstvi University Karlovy, prednosta doc. MUDr.  
V. Zelenka.

(PLETHYSMOGRAPHY in inf & child)  
(RESPIRATION in inf & child)  
(INFANT NEWBORN physiol)

MACEK, M.; NOVAKOVA, M.; KORECKY, B.

Proposal for a new expiratory index received from the curve of expiration in timed vital capacity of the lungs. Cesk. pediat. 17 no.1:38-43 Ja '62.

1. Oddeleni telovychovneho lekarstvi katedry nemocnicni pediatrie, prof. dr. J. Svejcar Katedra farmakologie a experimentalni patologie, predn. prof. dr. R. Raskova.

(RESPIRATION physiol)

KORECKY, Borivoj; POUPA, Otakar; technicka spoluprace MIKOVA, M.

Experimental basis for the use of enteric insufflation of oxygen  
as a resuscitation method in asphyxia neonatorum. Cas. lek. cesk.  
101 no.21:660-663 '62.

1. Oddeleni patologicke fyziologie fakulty detskeho lekarstvi KU  
v Praze, prednosta prof. dr. O. Poupa Fyziologicky ustav CSAV,  
prednosta prof. dr. Z. Servit.  
(ASPHYXIA NEONATORUM experimental)  
(OXYGEN ther)

RAKUSAN, M.; KORECKY, B.; ROTH, Z.; POUPA, O.

Development of the ventricular weight of the rat heart with  
special reference to the early phases of postnatal ontogenesis.  
Physiol. Bohemoslov. 12 no.6:518-525 '63.

1. Institute of Pathological Physiology, Faculty of Paediatrics,  
Charles University, Institute of Industrial Hygiene and Occupa-  
tional Diseases, Department of Physiology and Pathophysiology  
of Metabolism, Institute of Physiology, Czechoslovak Academy of  
Sciences, Prague.

(MYOCARDIUM) (GROWTH)

KORECKY, B.; RAKUSAN, K.; POUPA, O.

The effect of anaemia due to iron deficiency during early postnatal development of the rat on growth and body composition later in life. Physiol. Bohemoslov. 13 no.1:72-77 '64.

I. Institute of Pathological Physiology, Faculty of Paediatrics, Charles University and Institute of Physiology, Czechoslovak Academy of Sciences, Prague.

POUPA, D.; KORECKY, B.; KROPTA, K.; RAKUSAN, K.; PROCHAZKA, J.

The effect of anaemia during the early postnatal period on  
vascularisation of the myocardium and its resistance to  
anoxia. Physiol. Bohemoslov. 13 no.3:281-287 '64

1. Institute of Physiology, Czechoslovak Academy of Sciences  
and Institute of Pathological Physiology, Faculty of Paediatrics,  
Prague.

POUPA, O.; RAKUSAN, K.; KROFTA, K.; KORECKY, B.; PROCHAZKA, J.

On some developmental and adaptive changes in the mammalian heart.  
Cesk. fysiol. 13 no.4:391-395 Jl '64.

1. Fysiologicky ustav Ceskoslovenske akademie ved, Ustav pathologické fysiologie fak. detsk. lek. Karlovy University, Praha.

KORECKY, B.; RAKUSAN, K.; POUPA, O.

The weight and chemical composition of the heart of rats suffering from sideropenic anaemia in the early postnatal period. Physiol. Bohemosl. 13 no.5:439-445 '64.

1. Institute of Pathological Physiology, Faculty of Paediatrics, Charles University and Institute of Physiology, Czechoslovak Academy of Sciences, Prague.

CZECHOSLOVAKIA/CANADA

APPROVED FOR RELEASE: 06/14/2000 N; CIA-RDP86-00513R000824610017

Physiology, Pediatric Clinic (Ustav Patologické Fysiologie Fak. Detsk. Lek.), Prague; Department of Physiology, University of Ottawa.

"Changes in the Maximum Performance of the Lung-Heart Preparation in Rats after Hypophysectomy and its Preparation by *s/p* Administration of Some Substituting Hormones."

Prague, Ceskoslovenska Fisiologie, Vol 15, No 2, Feb 66, pp 116-117

Abstract: In animals hypophysectomy reduces minute volume, heart beat and blood pressure. Administration of thyroxin improves most of the factors, while a combination of thyroxin and growth hormone nearly normalizes the conditions. The influence on an isolated heart was very similar, but there was no cumulative effect of the growth hormone and thyroxin.  
1 Western reference. Submitted at "16 Days of Physiology" at Kosice, 29 Sep 65.

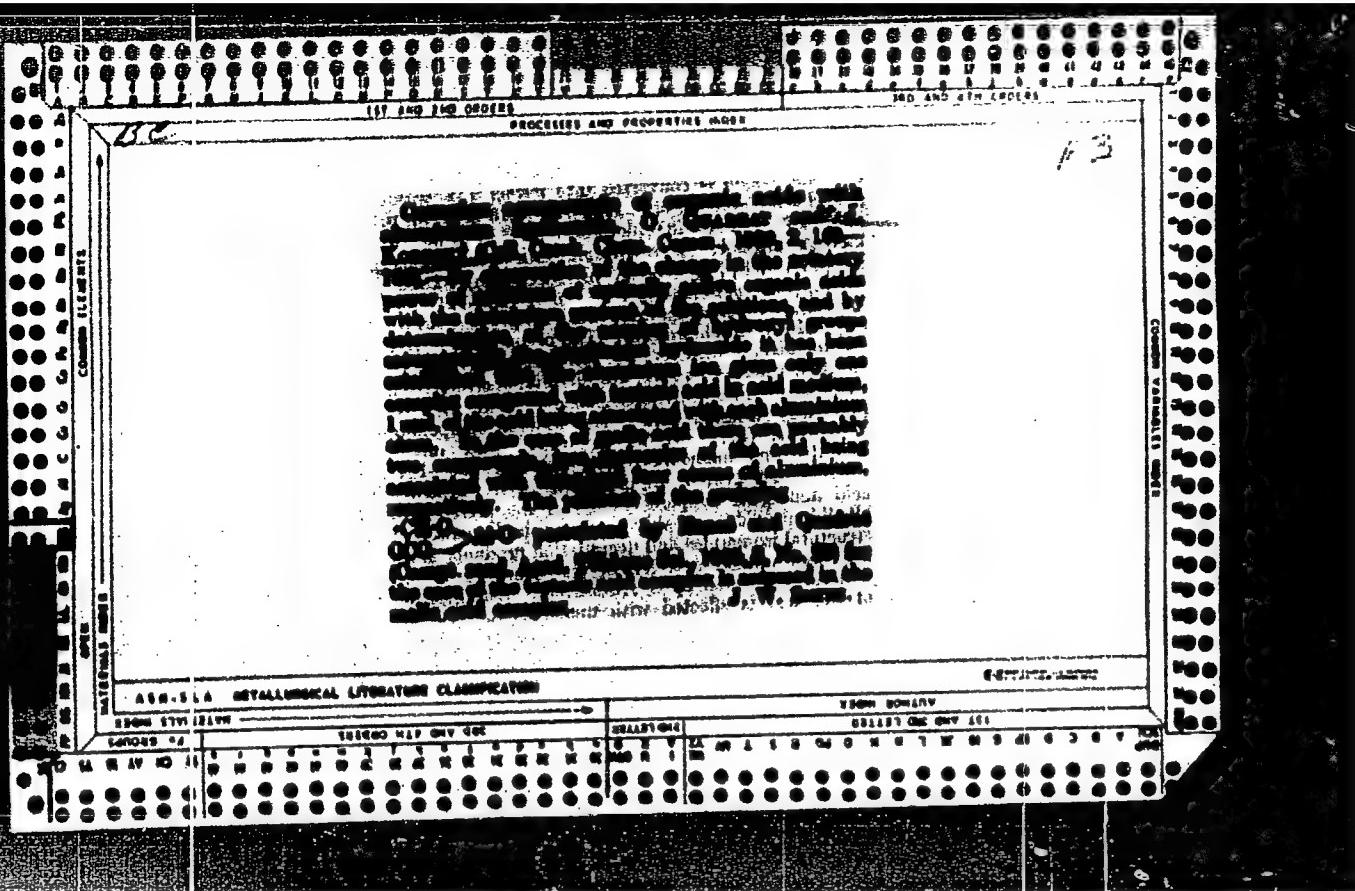
1/1

RAKUSAN, K.; JELINEK, J.; KORECKY, B.; SOUKUPOVA, M.; POUPA, O.

Postnatal development of muscle fibres and capillaries in the heart. Physiol. Bohemosl. 14 no 1:32-37 '65

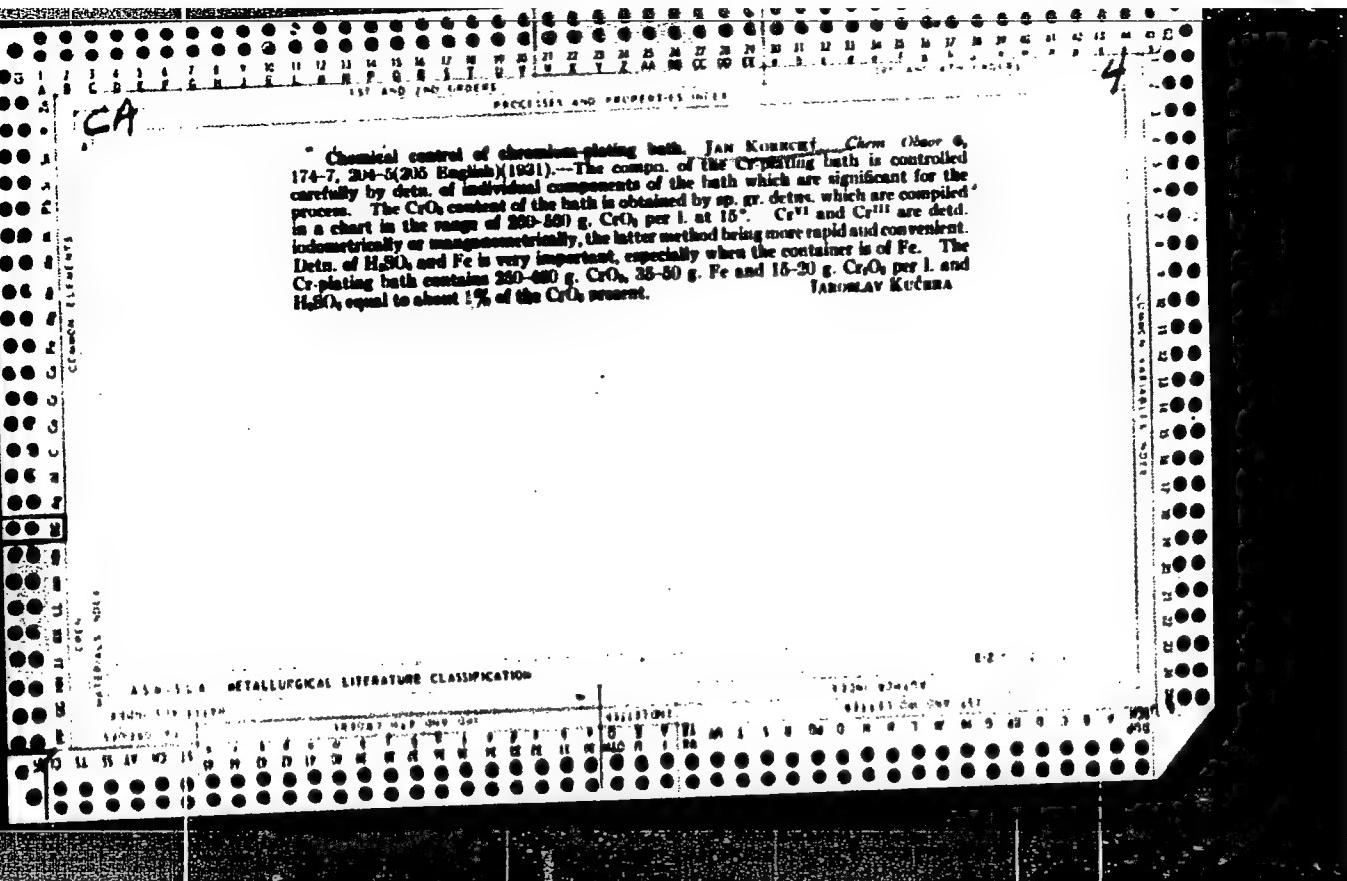
"APPROVED FOR RELEASE: 06/14/2000

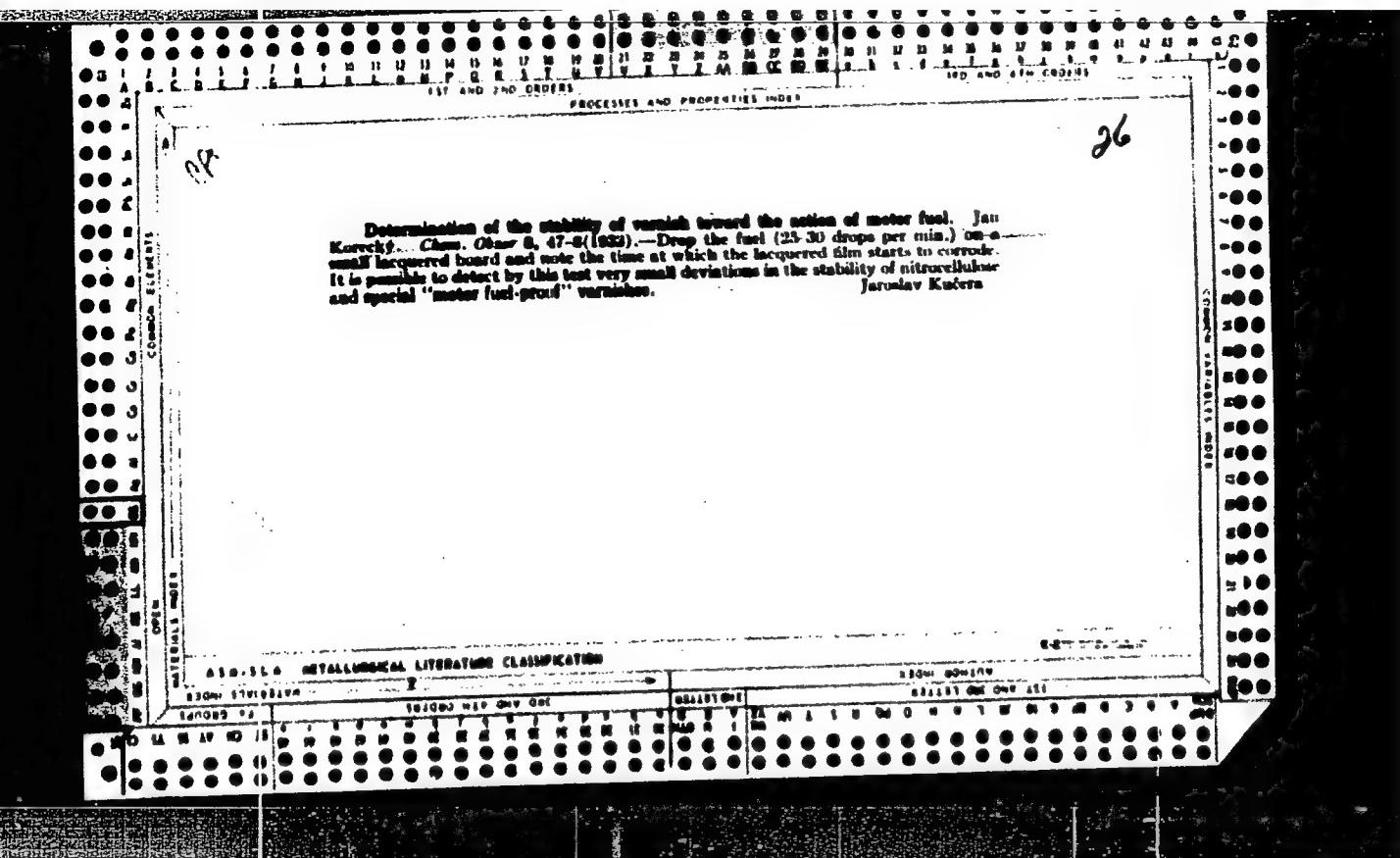
CIA-RDP86-00513R000824610017-2

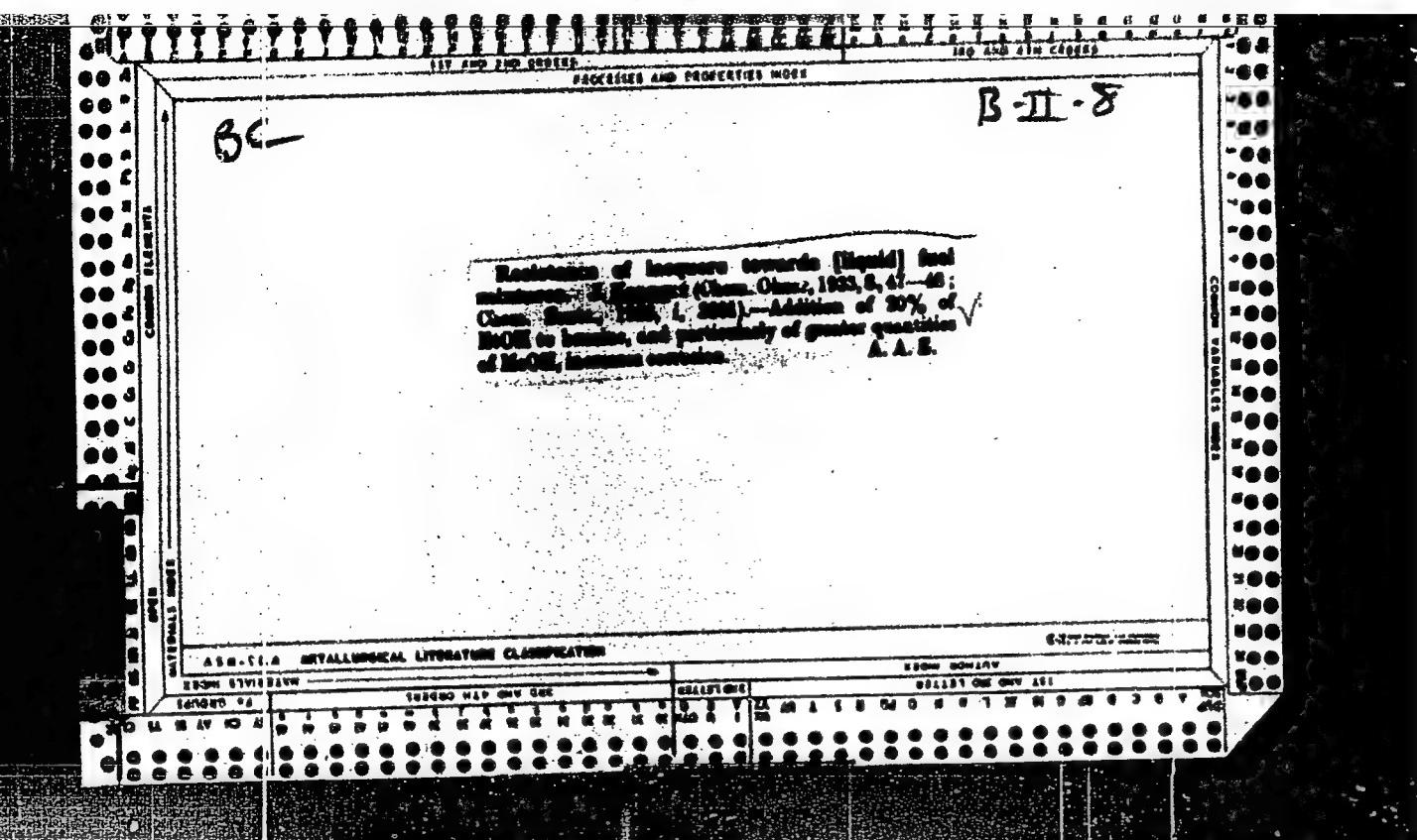


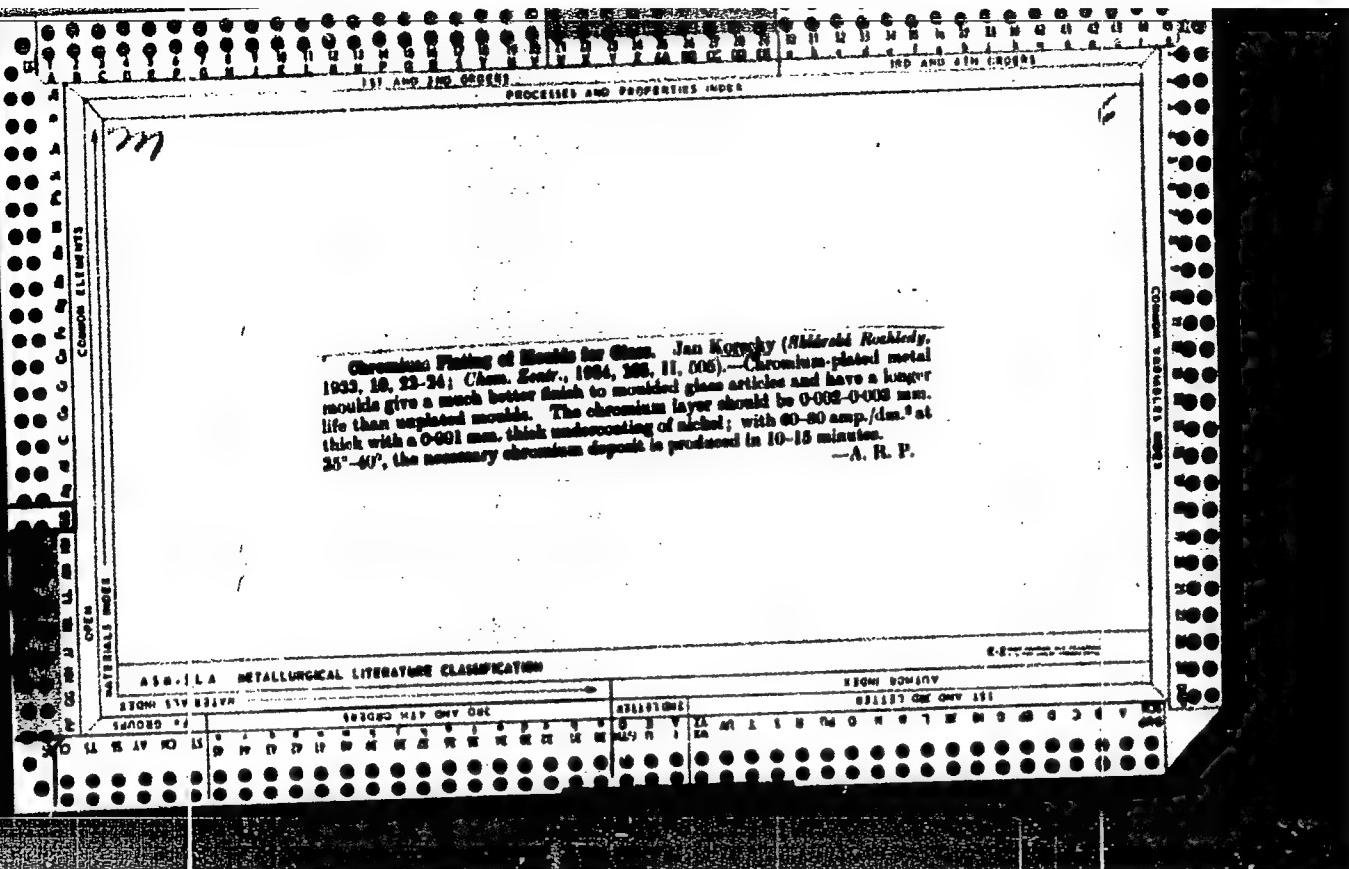
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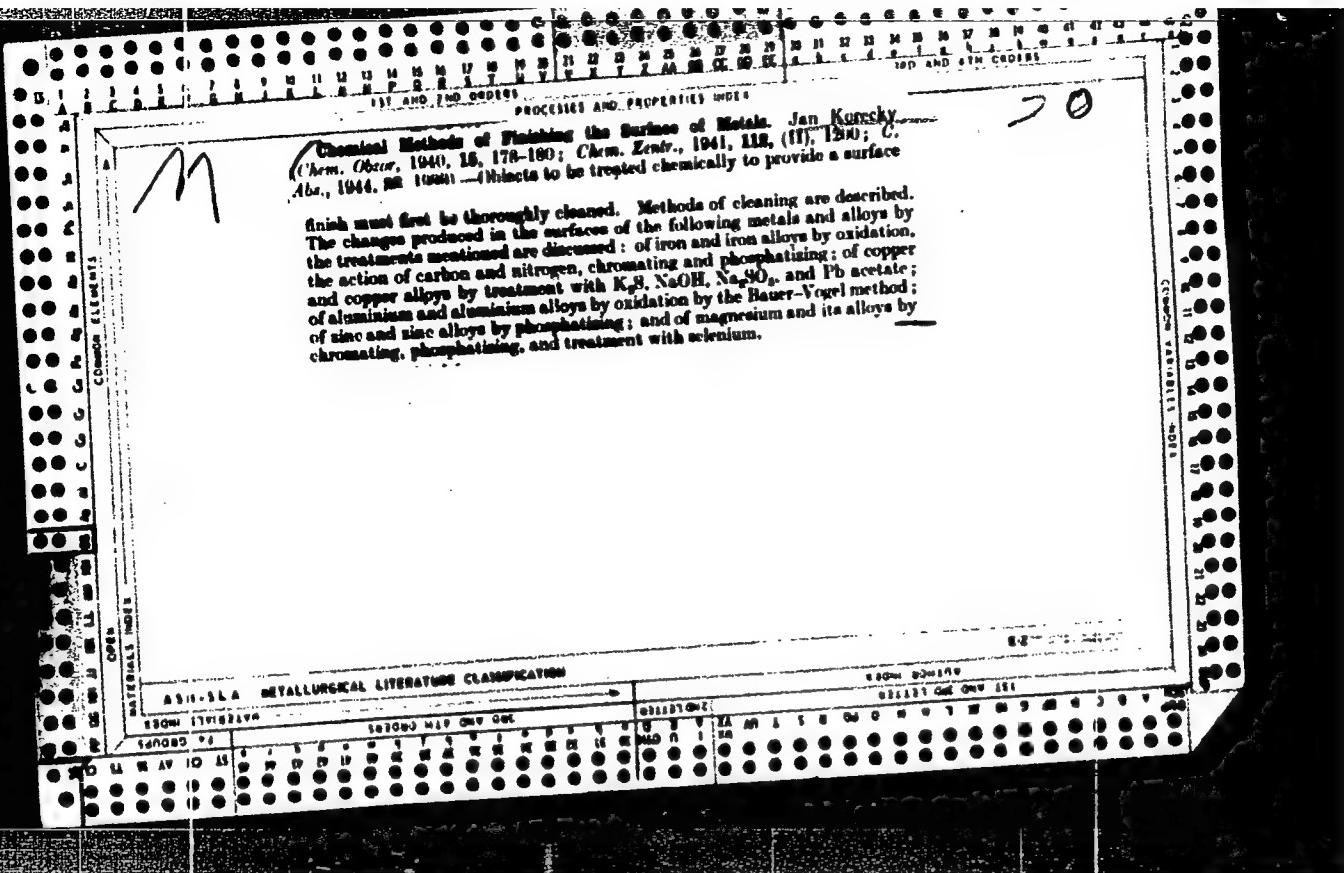
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CA

Success and Progress - 1

7

Progress in the nitriding of steel and cast iron. Jan Kunkel. Chem. (Moscow), 21, 3 (1941); (Chem. Zentral., 1941, II, 286).—The nitriding of surfaces of steel and alloys, which occurs with nitrogen N derived from NH<sub>3</sub>, usually, has been perfected along lines of lower working temps., smaller deformations of articles, harder surfaces which do not change below 850°. For the nitriding of alloy steels K. found Al 1, Cr 1, Ni 3.5, C 1.5, Cr 12, V 0.9 or Mo 0.6% suitable. For increasing the ductility of steel K. substituted Si for S. Besides carbide steels K. was able to harden austenitic steel with nitrogen N. The optimum temp. for hardening ranges from 810-20°. For an alloy casting, C 2.4-2.8 (1.9% graphite 0.8% boron) C 21 Si 4-5.5, Mn 0.5-0.7, S less than 0.07, Al 0.6-1.0, C 1.0-1.7, Mn eventually 0.5-0.6 and V eventually 0.15%.

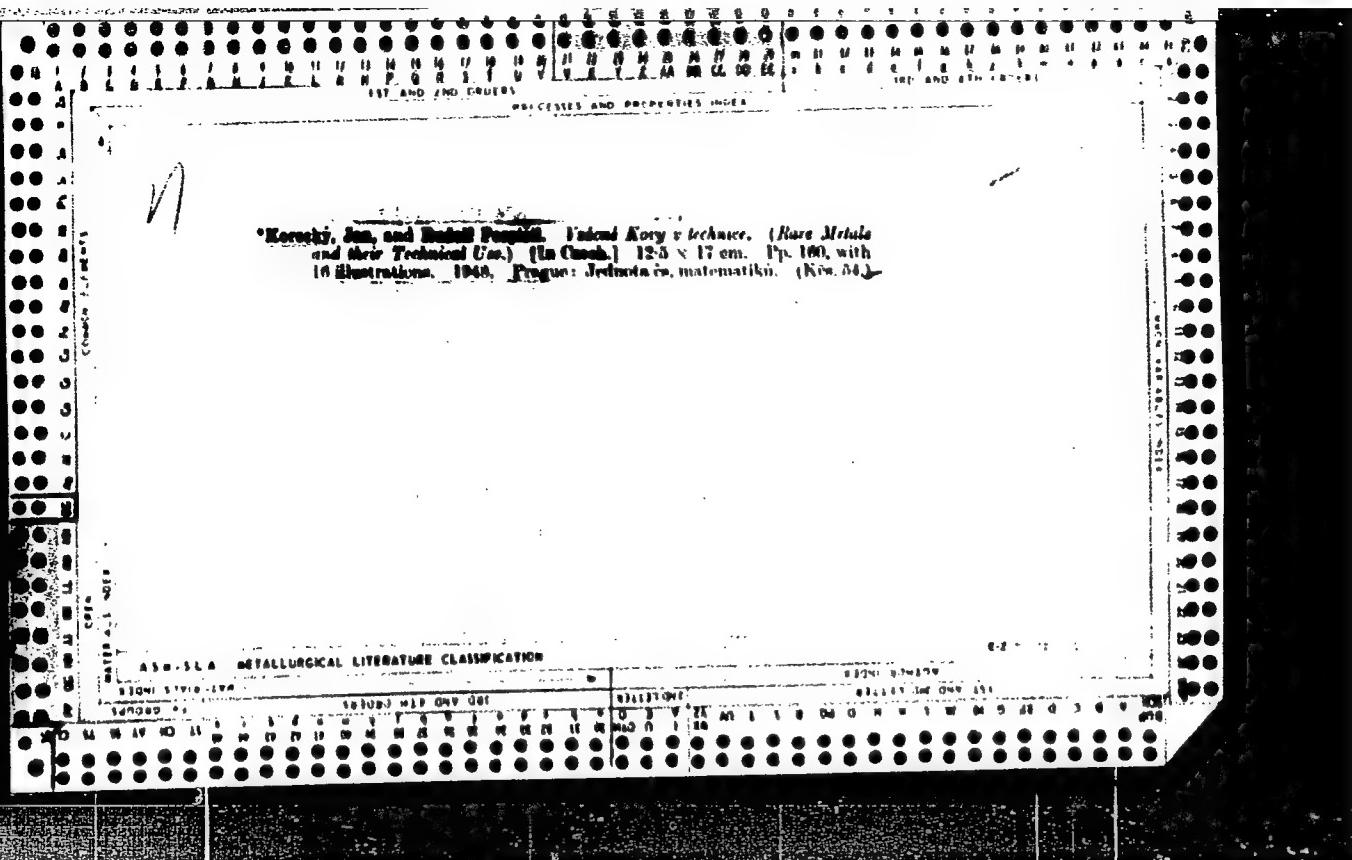
K. nitrides the metal at 680-80° for 60 min., cools it to 510° in air and obtains a Brinell hardness of 300-320; by nitriding at 860° and cooling to 700° in air he obtains a hardness of 255-75; by nitriding at 950° and cooling to 700-80° he obtains a hardness of 400; the alloy remains brittle. Nitridation of other alloys is illustrated.

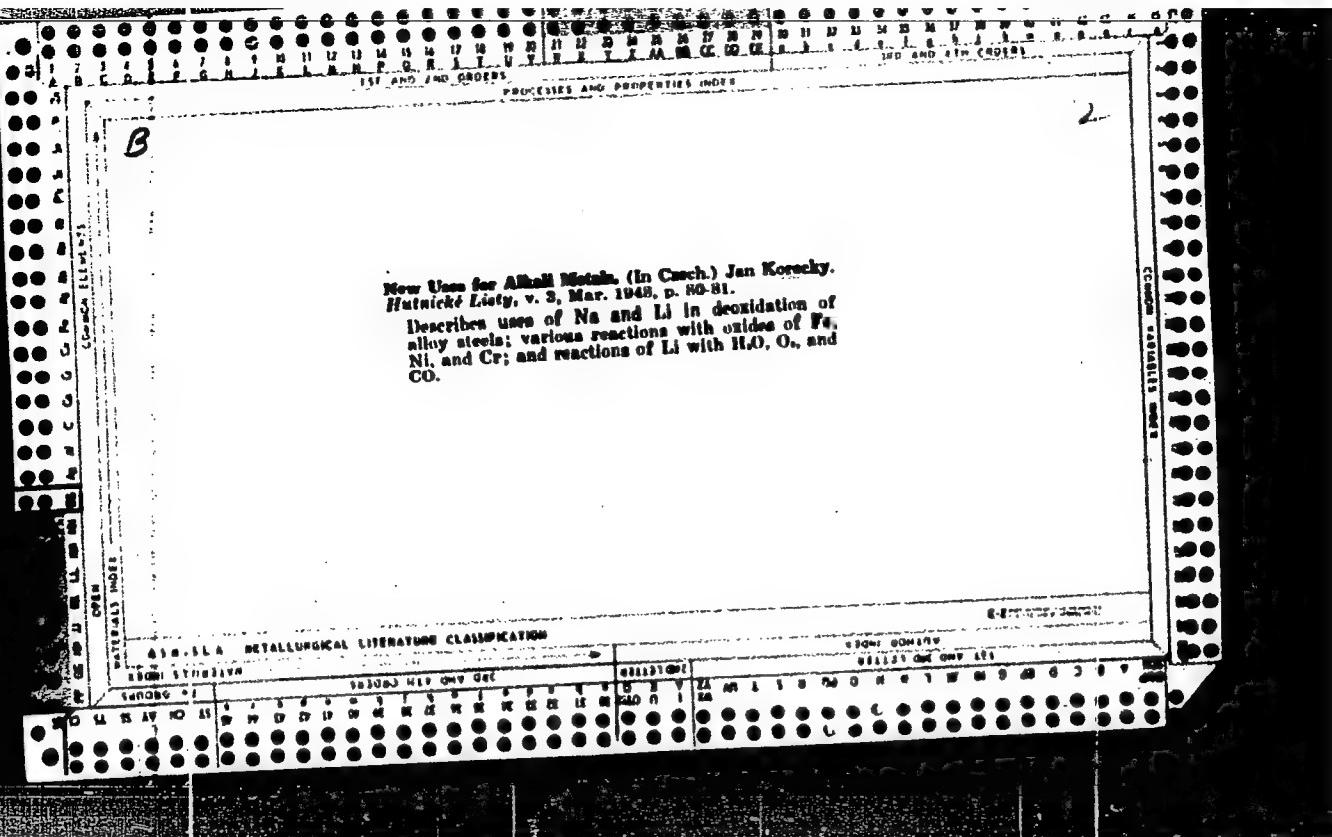
Frank March

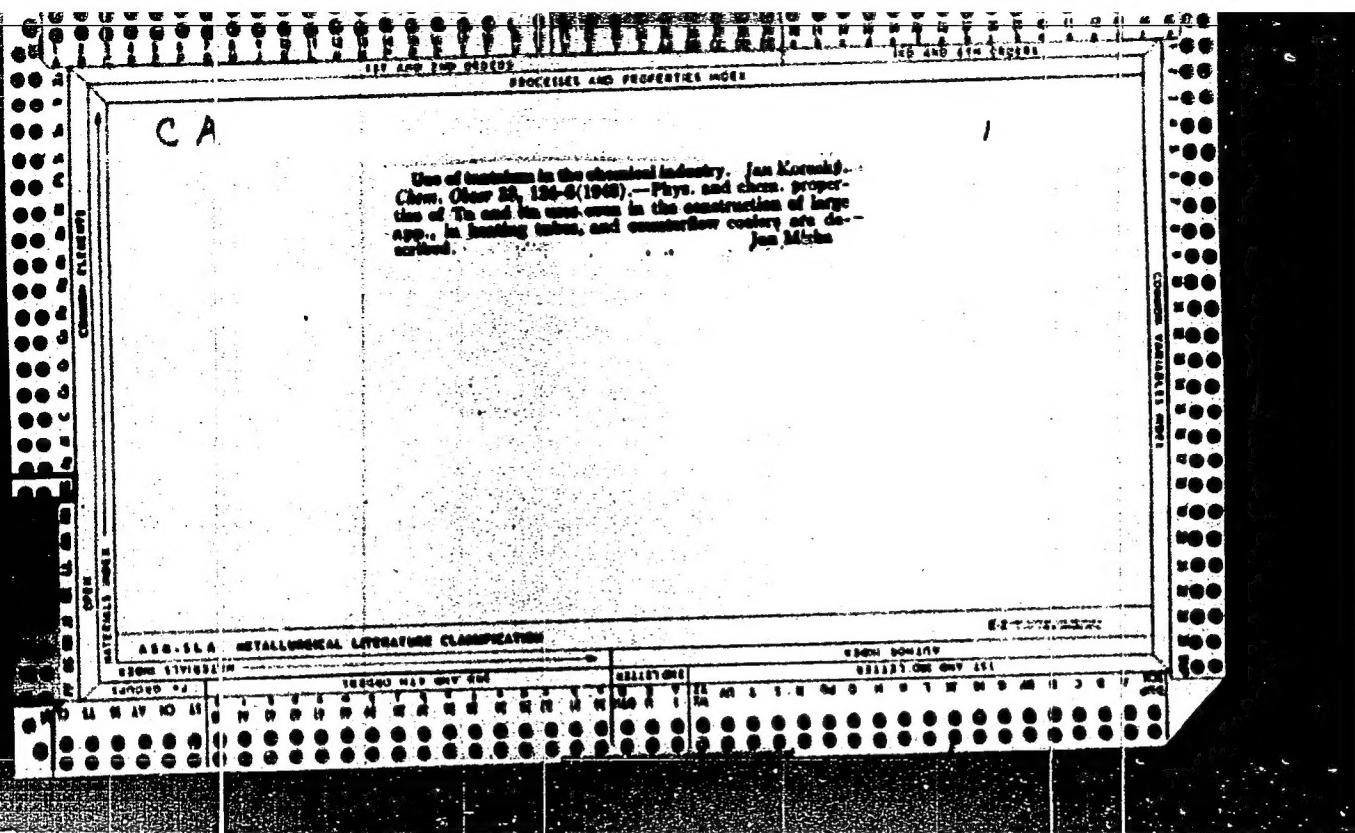
## APPENDIX A METALLURGICAL LITERATURE CLASSIFICATION

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C.A.

The rapid determination of sulfur in steel by the planochromatic method of Glazunov and Jirkovsky...Jan Korecký and Josef Nejedlý. *Hutnické Listy*, 5, 359-62(1950). Glazunov and Jirkovsky (C.I., 48, 25408) have described a rapid method for detg. S in steel. An unknown wt. but known surface of the sample is exposed for a definite time to the action of HCl. The escaping gases are passed into a tube contg. a dil. acidic soln. of dimethyl-p-phenylenediamine chloride. After adding a little FeCl<sub>3</sub> the color is measured. The method was tried and more time was required for the evolution of H<sub>2</sub>S than was stated in the original paper. The evolution of H<sub>2</sub>S is very irregular if cast bars of the specimen are used. For these and other reasons, the conclusion is reached that the planochromatic method of G. and J. takes more time than the combustion procedure does.  
E. Gross

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KORECKY, JAN

Nickel plating without electric current as a stop-off when nitriding. Jan Korecky. *Hutnické Listy* 5, 414-10 (1959). Expts. were carried out on the possibility of using chem. Ni deposition as protection to steel surfaces during nitriding. The nitriding Cr-Al steel (C 0.35, Mn 0.77, Cr 1.50, Al 1.00%) was made up into cylinders 12 mm. in diam. and

50 mm. long, with finely ground surfaces. The specimens were Ni-coated by the process described by Breuer (C.A. 41, 322) for obtaining dull surfaces. Coating times were 15, 30, and 60 min., resp. Nitriding at 490° for 48 hrs. followed the coating process. Hardness measurements were made after grinding off the Ni deposits. Coatings obtained by the above technique at 90° during 10 to 15 min. were thick enough to prevent the nitriding of the steel at 500° for as long as 48-96 hrs. Baths of different compositions and yielding bright Ni were tested also. Bright Ni deposits were less satisfactory.

R. Gross

KORECKY, J.

PHASE I BOOK EXPLOITATION CZECH/2433

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International Polarographic Congress, 1st, Prague, 1951

Sborník I. Mezinárodního polarografického sjezdu, Díl 3: Hlavní referaty přednesené na sjezdu. Proceedings...Vol 3; Review of the Congress, Praha, Přírodovědecké vyd-va [1952] 774 p. 2,000 copies printed.

Resp. Ed.: Jiří Koryta, Doctor; Chief Ed.: Oldřich Punkt. Milan Šimánek, Doctor; Tech. Ed.: Oldřich Punkt.

PURPOSE: The book is intended for chemists, chemical engineers, and physiologists.

**COVERAGE:** The book is a collection of reviews and original papers read at the International Polarographic Congresses in 1950-1951. Use of polarography in organic and inorganic analysis, biochemistry, medicine, and industrial chemistry are discussed. In the section, Reviews Read at the Congress, Russian and either German or English translations of each review are presented. In the section, Original Papers Read at the Congress, only those translations in Russian, German, and English which have not been published in Volume I are presented. The following scientists participated in the opening of the Congress: Professor Miltor Kemilis, Dean of the Faculty of Sciences, Warsaw; Doctor Jaromír Dolanský, Minister of Planning; Professor Jaroslav Herovský, Chairman of the Congress; and Professor Jaroslav Pulatov, Chairman of the Center for Scientific Research and Technical Development. References follow each paper.

Valenka, F. Study of Current Discontinuity Appearing on Galvanic Zinc Electrode 377

Málek, J. Discontinuity on Polarographic Curves Observed in the Production of Some Inorganic Oxygen-containing Anions 382

[Russian translation]

Sobolenko, M. Some Examples of Using Polarography in Industrial Laboratories 433

Moršk, J. V. A. Determination of Phosphates 438  
[Russian translation]

Komárek, F. Polarographic Determination of Small Amounts of Thorium 439

Komárek, K. Polarographic Determination of Bases 444

Joreček, J., Z. Modaleinský, and E. Malina. Experience in Using the Jarroff Polarographic Method in Steelmaking 455

Holčík, J. Polarographic Determination of Manganese in Triethanolamine Medium 461

Linhart, F. Polarographic Determination of Gold 464

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